KONRAD RAYNES & VICTOR, LLP

315 S. Beverly Drive, Suite 210 Beverly Hills, California 90212

3105567984

Telephone: (310) 556-7983 Facsimile: (310) 556-7984

FAX COVER SHEET

PLEASE DELIVER THIS FACSIMILE TO EXAMINER KELVIN Y. LIN

TO:

Commissioner for Patents

FROM: David W. Victor

Attn: Examiner Kelvin Y. Lin

Group Art Unit 2142 Patent Examining Corps

Facsimile Center

OUR REF:

0037.0102

Washington, D.C. 20231

TELEPHONE:

310-556-7983

Total pages, including cover letter: 11

PTO FAX NUMBER 1-703-872-9306

If you do NOT receive all of the pages, please telephone us at 310/556-7983, or fax us at 310/556-7984.

Description of Documents Transmitted: PTO/SB/21 TRANSMITTAL FORM; POWER OF ATTORNEY AND CORRESPONDENCE ADDRESS INDICATION FORM; STATEMENT UNDER 37 CFR 3.73(B); COPY OF RECORDATION OF **ASSIGNMENT**

Applicant:

R.M. Li et al.

Serial No.:

09/972,542

Filed:

October 5, 2001

Group Art Unit:

2142

Docket No.:

SJQ920010095US1

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on

April 6, 2005

Name David W. Victor

PTO/\$B/21 0037.0102

| | | 000770102 |
|--|------------------------|-----------------|
| TRANSMITTAL FORM | Application Number | 09/972,542 |
| (To be used for all | Filing Date | October 5, 2001 |
| correspondence | Inventor | R.M. Li et al. |
| after initial filing) | Group Art Unit | 2142 . |
| | Examiner Name | Kelvin Y. Lin |
| Total Number of Pages in this Submission: 10 | Attorney Docket Number | SJO920010095US1 |

ENCLOSURES (check all that apply)

| ☐ Fee Transmittal Form | □ Recordation of Assignment | □ Certificate of Correction of |
|------------------------------|------------------------------|---------------------------------|
| ☐ Fce Attached | ☐ Formal Drawings: sheets | Applicant's Mistake (37 CFR |
| □ Amendment/Reply | ☐ Licensing-related papers | 1.323) |
| □ After Final | ☐ Petition: | ☐ Certificate of Correction of |
| ☐ Affidavits /Declarations | | Office Mistake (37 CFR 1.322) |
| ☐ Extension of Time Request | ☐ Petition to Convert to a | ☐ Appeal Communication to |
| ☐ Express Abandonment | Provisional Application | Group (Appeal Notice, Brief, |
| Request | ■ Power of Attorney, | Reply Brief) |
| ☐ Information Disclosure | Revocation, and/or Change of | ☐ Proprietary Information |
| Statement; references | Correspondence Address | ☐ Status Letter |
| ☐ Certified Copy of Priority | □ Terminal Disclaimer | ☐ Appeal Communication to |
| Document(s) | ☐ Request for Refund | Board of Appeals and |
| ☐ Response to Missing | CD, Number of CD(s) | Interferences |
| Parts/Incomplete Application | ☐ After Allowance | ☐ Fee Address Indication Form |
| ☐ Response to Missing Parts | Communication to Group | ☑ Other Enclosure(s) |
| under 37 CFR 1.52 or 1.53 | | 1) Statement Under 37 CFR |
| | | 3,73(b); 2) Letter of Authority |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| Firm or Individual Name: | David W. Vietor, B | Registration No. 39,867 |
|--|--------------------|--|
| Signature: | 1 | |
| Date: | April 6, 2005 | |
| KONRAD RAYNES & VIC 315 South Beverly Drive, Suite Beverly Hills, California 90212 (310) 556-7983 | 210 | The Commissioner is authorized to charge any deficiency of fees, or credit any overpayment, to Deposit Account No. 09-0466 |

CERTIFICATE OF MAILING OR TRANSMISSION

| I hereby certify that this Transmelass mail in an envelope address to the USPTO, on the date indicate | nittal is being deposited with the Limited States Possed to Commissioner for Patents, Alexandria, Valented below. | stal Service with sufficient postage for first 22313-1450, or being facsimile transmitted |
|---|---|---|
| Typed or Printed name: | David W. Victor | Customer No. |
| Signature: | | 46917 |
| Date: | April 6, 2005 | |

APR 0 8 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

▼ *Total of

R.M. Li et al.

3105567984

Examiner

Kelvin Y. Lin

Serial No.

09/972,542

Group Art Unit Docket No.

2142

Filed TITLE October 5, 2001

\$JQ920010095US1

STORAGE AREA NETWORK METHODS AND APPARATUS WITH

COORDINATED UPDATING OF TOPOLOGY REPRESENTATION

POWER OF ATTORNEY AND CORRESPONDENCE ADDRESS INDICATION FORM

I hereby revoke all previous powers of attorney given in the above-identified application. I hereby appoint the Practitioners associated with the Customer Number:

46917

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to the address associated with the above-mentioned Customer Number.

| I am t | he: |
|-------------|---|
| | Applicant/Inventor |
| \boxtimes | Assignee of record of the entire interest. (Statement under 37 CFR 3.73(b) is |
| enclosed) | |

SIGNATURE of Applicant or Assignee of Record 4-5-05 Date: Signature: Title Program Manager - U.S. Patent Lynne D. Anderson Name and Trademark Office Liaison International Business Machines Corporation Company Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

form is submitted.

Title

PAGE 04/11 APR 9 : 2003

STATEMENT UNDER 37 CFR 3.73(b)

| Applica | | | | | | 37 |
|------------------|--|---|--|---|--|-------------------------|
| | nt/Patcnt | Owner: International B | Business Machines C | <u>orporation</u> | | |
| Applica | tion No./ | Patent No.: <u>09/972.542</u> | | Filed/Issue D | ate: October 5, 2001 | |
| | : STORA SENTAT | | METHODS AND | apparatūs v | VITH COORDINATED UPDATING | 3 OF TOPOLOGY |
| | | iness Machines Corpora | ation | Corporation | | |
| (Name | of Assign | ee) | | (Type of Assigne | z. c.g., corporation, partnership, university, g | overnment agency, etc., |
| states th | nat it is: | | | | | |
| I. 🔯 | the assig | gnee of the entire right, | title, and interest; or | | | |
| 2. 🔲 | _ | nce of less than the entirent (by percentage) of it | - · | | | |
| in the p | atent appl | lication/patent identified | d above by virtue of | cither: | | |
| A. 🛭 A United | An assigni States Pat | ment from the inventor(sent and Trademark Offi | s) of the patent appli icc at Rcel <u>012744</u> , I | cation/patent id Frame <u>0233</u> , or i | cntified above. The assignment was a for which a copy thereof is attached. | recorded in the |
| OR | | | | | | |
| В. ∏А | chain of | title from the inventor(s | s), of the patent appli | cation/patent id | entified above, to the current assigne | e as shown |
| below: | | | ,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | L | · · · · · · · · · · · · · · · · · · · | |
| | 1 E | | | To: | | |
| | 1. From | 71. 3 | | | 4 Tandamanlı Offica at | |
| | 1. From | The document was rec Rect, Fra | orded in the United in | To:States Patent an, or for w | d Trademark Office at which a copy thereof is attached. | |
| | | Reel, Fran | me | , or for w | hich a copy thereof is attached. | |
| | | Reel, Fran | me | , or for w | hich a copy thereof is attached. | |
| | | Reel, France: The document was rec | orded in the United | , or for w To: States Patent an | d Trademark Office at which a copy thereof is attached. d Trademark Office at which a copy thereof is attached. | |
| | 2. From | Reci, France: The document was reconcerned and the properties of the comment was reconcerned and the comment was reconcer | orded in the United : | To:, or for w | d Trademark Office at which a copy thereof is attached. | |
| n . | 2. From | Reci, France: The document was recommendate. The document was recommendate. | orded in the United to orded in the United | To:, or for wards and the second | d Trademark Office at hich a copy thereof is attached. d Trademark Office at the description of the descrip | |
| n . | 2. From | Reci, France: The document was recommendate. The document was recommendate. | orded in the United to orded in the United | To:, or for wards and the second | d Trademark Office at which a copy thereof is attached. | |
| n | 2. From | Reci, France: The document was recommendate. The document was recommendate. | orded in the United to the Corded in the United to the Uni | To: States Patent an , or for w To: To: States Patent an , or for w | d Trademark Office at which a copy thereof is attached. d Trademark Office at which a copy thereof is attached. | |
| n . | 2. From 3. From pies of ass [NOTE | The document was rec Reel, France: The document was rec Reel, France: Additional documents signments or other documents A separate copy (i.e., a | orded in the United me orded in the United me in the chain of title a ments in the chain of the original copy of the origi | To: States Patent an , or for w To: States Patent an , or for w are listed on a su f title are attach ginal assignmen | d Trademark Office at which a copy thereof is attached. d Trademark Office at which a copy thereof is attached. d Trademark Office at which a copy thereof is attached. applemental sheet. ed. at document(s)) must be submitted to | |
| n . | 2. From 3. From pies of ass [NOTE | The document was rec Reel, France: The document was rec Reel, France: Additional documents signments or other documents A separate copy (i.e., a | orded in the United me orded in the United me in the chain of title a ments in the chain of the original copy of the origi | To: States Patent an , or for w To: States Patent an , or for w are listed on a su f title are attach ginal assignmen | d Trademark Office at which a copy thereof is attached. d Trademark Office at which a copy thereof is attached. applemental sheet. | |
| n. ⊠ Coj | 2. From 3. From pies of ass [NOTE Division | The document was rec Reel, France: The document was rec Reel, France: Additional documents signments or other documents A separate copy (i.e., a | orded in the United and orded in the United and in the chain of title and true copy of the original CFR Part 3, if the assets and the chain of the and the chain of the original copy of the original copy of the original copy of the assets and the assets are copy of the assets and the chain of the assets are copy of the original cop | To: States Patent an , or for w To: States Patent an , or for w are listed on a su f title are attach ginal assignment ssignment is to l | d Trademark Office at which a copy thereof is attached. d Trademark Office at which a copy thereof is attached. d Trademark Office at which a copy thereof is attached. applemental sheet. ed. at document(s)) must be submitted to be recorded in the records of the USI | |
| n Coj | 2. From 3. From pies of ass [NOTE Division | The document was rec Reel, France: The document was rec Reel, France: Additional documents signments or other documents: A separate copy (i.e., and in accordance with 37) | orded in the United and orded in the United and in the chain of title and true copy of the original CFR Part 3, if the assets and the chain of the and the chain of the original copy of the original copy of the original copy of the assets and the assets are copy of the assets and the chain of the assets are copy of the original cop | To: States Patent an , or for w To: States Patent an , or for w are listed on a su f title are attach ginal assignment ssignment is to l | d Trademark Office at which a copy thereof is attached. d Trademark Office at which a copy thereof is attached. d Trademark Office at which a copy thereof is attached. applemental sheet. ed. at document(s)) must be submitted to be recorded in the records of the USI | |

Program Manager - U.S. Patent and Trademark Office Liaison

LETTER OF AUTHORITY

I, Gerald Rosenthal, Vice President, Intellectual Property and Licensing of International Business Machines Corporation (IBM), a New York corporation, do hereby delegate the authority to approve and execute documents on behalf of IBM relating to proceedings in the Patent, Trademark Registration or Copyright Offices servicing any country or region of the world, or to related appeal proceedings, including, but not limited to: petitions; powers of Attorney, authorizations; verification; nominations of representatives; declarations; documents relating to maintenance and defense of the resulting industrial property rights; assignments of rights to apply for and acquire patents and trademark registrations; and evidence of such assignments; requests for the registration of patents as available for licensing; reports of inventions and petitions for waiver of patent rights to any department or agency of the United States Government; and, assignments, licenses and other instruments confirmatory of Government rights in patents and inventions, to Lynne D. Anderson. Program Manager, Patent Office Liaison.

Date:

Gerald Rosenthal

Vice President, Intellectual Property & Licensing International Business Machines Corporation



MAY 30, 2002

PTAS

Commissioner for Trademarks Arington, VA 22202-3513 www.uspto.gov

NUTTER, MCCLENNEN & FISH DAVID J. POWSNER ONE INTERNATIONAL PLACE BOSTON, MA 02110-2699

3105567984



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/18/2002

REEL/FRAME: 012744/0223

NUMBER OF PAGES: 4

ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS). BRIEF:

ASSIGNOR:

LI, RAYMOND M.

DOC DATE: 12/13/2001

ASSIGNOR:

YONKER, WILLIAM ROY

DOC DATE: 12/17/2001

ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES

CORPORATION

PATENT NUMBER:

NEW ORCHARD ROAD

ARMONK, NEW YORK 10504

SERIAL NUMBER: 09972542

FILING DATE: 10/05/2001

ISSUE DATE:

SHAREILL COLES, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

| FORM PTO-1619A. Expires 08/30/99 ON/8 0851-0027 | Conveyance Type X Assignment License Merger (For Use ON Departe Mark If additional name | Security Agreement Change of Name Other U.S. Government Agencies) Imental File Secret File Month Day Yell 12132001 Execution Date Month Day Yell 12172001 If additional names of receiving parties attached is an assignment an receiving party is not demictled in the Unit States, an appointment of a domestic |
|--|--|--|
| TO: The Commissioner of Patents and Tradems Submission Type X Nsw Resubmission (Non-Recordation) Document ID# Correction of PTO Error Reel # Frame # Conveying Party(ies) Name (line 1) Raymond M. Li Name (tine 2) Second Party Name (line 1) William Roy Yonker Name (line 2) Receiving Party Name (line 1) International Business Machins Name (line 2) Address (line 1) New Orchard Road Address (line 3) Armonk | ATION FORM COVER PATENTS ONLY rks: Please record the attack Conveyance Type X | Ched original document(s) or copy(ies). Security Agreement Change of Name Other U.S. Government (ILY by U.S. Government Agencies) traintal File Secret File Month Day Yes 12132001 Execution Date Month Day Yes 12172001 If additional names of receiving parties attached is an assignment and receiving party is not demiciled in the Unite States, an appointme of a domestic |
| Submission Type X New Resubmission (Non-Recordation) Document ID# Correction of PTO Error Reel # Frame # Corrective Document Reel # Frame # Conveying Party(ies) Name (line 1) Raymond M. Li Name (tine 2) Second Party Name (line 1) William Roy Yonker Name (line 2) Receiving Party Name (line 1) International Business Machine Name (line 1) New Orchard Road Address (line 1) New Orchard Road Address (line 2) Address (line 3) Armonk City | Conveyance Type X Assignment License Merger (For Use ON Departe Mark If additional name | Change of Name Other U.S. Government (LY by U.S. Government Agencies) Immental File Secret File Month Day Yes 12132001 Execution Date Month Day Yes 12172001 If additional names of receiving parties attached is an assignment and receiving party is not domiciled in the Unite States, an appointment of a domestic |
| Resubmission (Non-Recordation) Document ID# Correction of PTO Error Reel # Frame # Corrective Document Reel # Frame # Conveying Party(ies) Name (line 1) Raymond M. Li Name (tine 2) Second Party Name (line 1) William Roy Yonker Name (line 2) Receiving Party Name (line 1) International Business Machine Name (line 1) New Orchard Road Address (line 1) New Orchard Road Address (line 3) Armonk City | License Merger For Use ON Depart Mark If additional name | Change of Name U.S. Government (NLY by U.S. Government Agencies) Itmental File Secret File Des of conveying parties attached Execution Date Month Day Yes 12132001 Execution Dato Month Day Yes 12172001 If document to be recised an assignment and receiving party is not demiciled in the Unite States, an appointment of a domestic |
| Resubmission (Non-Recordation) Document ID# Correction of PTO Error Reel # Frame # Corrective Document Reel # Frame # Conveying Party(ies) Name (line 1) Raymond M. Li Name (line 2) Second Party Name (line 1) William Roy Yonker Name (line 2) Receiving Party Name (line 1) International Business Machins Name (line 2) Address (line 1) New Orchard Road Address (line 3) Armonk City | Merger [For Use ON Departs Mark If additional name Mark if | Other U.S. Government (LY by U.S. Government Agencies) Imental File Secret File Des of conveying parties attached Execution Date Month Day Year 12132001 Execution Date Month Day Year 12172001 If additional names of receiving parties attached is an assignment and receiving party is not demiciled in the Unite States, an appointment of a domestic |
| Reel # Frame # Corrective Document Reel # Frame # Fram | (For Use ON Departs Mark If additional name Mark if | U.S. Government Agencies) Imental File Secret File Des of conveying parties attached Execution Date Month Day Yea 12132001 Execution Date Month Day Yea 12172001 If additional names of receiving parties attached If document to be receiving party is not domiciled in the Unite States, an appointment of a domestic |
| Reel # Frame # Conveying Party(ies) Name (line 1) Raymond M. Li Name (tine 2) Second Party Name (line 1) William Roy Yonker Name (line 2) Receiving Party Name (line 1) International Business Machine Name (line 1) New Orchard Road Address (line 1) New Orchard Road Address (line 3) Armonk City | Mark if additional name | Execution Date Month Day Yes 12132001 Execution Date Month Day Yes 12172001 If additional names of receiving parties attached if accument to be receiving party is not domiciled in the Unite States, an appointment of a domestic |
| Name (line 1) Raymond M. Li Name (tine 2) Second Party Name (line 1) William Roy Yonker Name (line 2) Receiving Party Name (line 1) International Business Machine Name (line 1) New Orchard Road Address (line 2) Address (line 2) Address (line 3) Armonk City | Mark if | Month Day Yes 12132001 Execution Date Month Day Yes 12172001 If additional names of receiving parties attached If document to be receiving party is not demiciled in the Unite States, an appointment |
| Name (tine 2) Second Party Name (line 1) William Roy Yonker Name (line 2) Receiving Party Name (line 1) International Business Machine Name (line 1) New Orchard Road Address (line 1) New Orchard Road Address (line 2) Address (line 3) Armonk City | | ### Table 12132001 Execution Date Month Day Yes |
| Name (tine 2) Second Party Name (line 1) William Roy Yonker Name (line 2) Receiving Party Name (line 1) International Business Machine Name (line 1) New Orchard Road Address (line 1) New Orchard Road Address (line 2) Address (line 3) Armonk City | | Month Day Yes 12172001 If additional names of receiving parties attached If document to be receiving party is not demicifed in the Unite States, an appointment of a domestic |
| Name (line 1) William Roy Yonker Name (line 2) Receiving Party Name (line 1) International Business Machine Name (line 2) Address (line 1) New Orchard Road Address (line 2) Address (line 3) Armonk City | | Month Day Yes 12172001 If additional names of receiving parties attached If document to be receiving party is not demicifed in the Unite States, an appointment of a domestic |
| Name (line 2) Receiving Party Name (line 1) International Business Machine Name (line 2) Address (line 1) New Orchard Road Address (line 2) Address (line 3) Armonk City | | if additional names of receiving parties attached If document to be receiving party is not demicifed in the Unite States, an appointment of a domestic |
| Receiving Party Name (line 1) International Business Machine Name (line 2) Address (line 1) New Orchard Road Address (line 2) Address (line 3) Armonk City | | is an assignment and receiving party is not domiciled in the Unite States, an appointment of a domestic |
| Name (lim 1) International Business Machine Name (lim 2) Address (lim 1) New Orchard Road Address (lim 2) Address (lim 3) Armonk | | If document to be recipled is an assignment and receiving party is not demicifed in the United States, an appointment of a domestic |
| Address (line 1) New Orchard Road Address (line 2) Address (line 3) Armonk City | | States, an appointment of a domestic |
| Address (line 2) Address (line 3) Armonk Giv | | ranconstativa la affor |
| Address (11me 3) Armonk | | (Designation must be |
| City | | separete document în Assignment.) |
| | New York State/Country | 10504 Zip Code |
| Pallicana Lebicacimanac Mame and v | ddroee | e first Receiving Party only. |
| Name | | |
| Address (line 1) | | |
| | | • |
| Address (line 2) | | |
| Address (line 3) | | |
| Address (Iline 4) | | |
| 002 DBYRHE 00000054 09972542 81 40.00 CP | FOR OFFICE USE ONLY | |
| Public burden reporting for this collection of information is delimited to | | |
| gathering the data needed to complete the Cover Sheet. Send comments D.C. 20231 and to the Office of Information and Regulatory Affairs, Office Information Collection Budget Package 0651-0027, Potent and Trademark | verega approximately 30 minutes per Cove | of Shaet to be recorded, including thre for raviewing the documen |

| | 1 | |
|---|--|--|
| FORM PTO-1619B Expires 08/30/99 OMB 0651-0027 | Page 2 | U.S. Department of Commerce Patent and Trademark Office PATENT |
| Correspondent Name and Addr | ess. Area Code and Telephone Number | er 617-439-2717 |
| Name David J. Powsner | | |
| Address (line 1) Nutter, McClennen & Fis | sh, | |
| Address (line 2) One International Place | | |
| Address (Res 3) Boston, MA 02110-2699 | | |
| Address (line 4) | • | |
| Pages Enter the total number including any attachm | r of pages of the attached conveyance doc nents. | cument # 2 |
| Application Number(s) or Pater | | k if additional numbers attached |
| | or the Patent Number (DO NOT ENTER BOTH numb | |
| Patent Application Numbe | r(s) Pai | tent Number(s) |
| 09972542 | | |
| | | |
| | | |
| | | |
| If this document is being filed together with a nasigned by the first named executing inventor. | ew Patent Application, enter the date the patent appli- | cation was Month Day Year |
| Patent Cooperation Treaty (PC) | Γ) | nor[|
| Enter PCT application num | ber PCT PCT PCT | PCT |
| only if a U.S. Application N | lumber PCT PCT | PCT |
| has not been assigned. | ······································ | |
| Number of Properties Enter | the total number of properties involved. | # 1 |
| Fee Amount Fee Am | nount for Properties Listed (37 CFR 3.41): | \$ 40.00 |
| Method of Payment: | Enclosed X Deposit Account | |
| Deposit Account (Enter for payment by deposit account of | or if additional fees can be charged to the account.) Deposit Account Number: | # 141449 |
| | Authorization to charge additional fees: | Yes X No |
| Statement and Signature | | · · · · · · · · · · · · · · · · · · · |
| To the hest of my knowledge | and belief, the foregoing information is tru | e and correct and any |
| | of the original document. Charges to depo | |
| indicated herein. | | |
| | | |
| David J. Powsner | | 3/8/22 |
| David J. Powsner Name of Person Signing | Signature | <u> </u> |

DOCKET: SJ09-2001-0095 U.S. EXPRESS MAIL LABEL NO.: EL 835 825 699 US **ASSIGNMENT**

| Whereas, we | |
|---|---|
| (1) Raymond M. Li of 1565 Madison St. Apt. 314, Oakland, County of Alameda and State of California, and (2) William Roy Yonker of 11235 11th Avenue N.E., Rochester, County of Olmsted and State of Minnesota, | |
| have invented certain improvements in | • |
| STORAGE AREA NETWORK METHODS AND APPARATUS WITH COORDINAT | TED UPDATING OF |
| and executed, respectively, a United States patent application therefor on | |
| (1), 2001, (2) <u>Dec. 17</u> , 2001 | |
| Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of place of business at Armonk, New York 10504, (hereinafter called IBM), desired to acquire interest in the said application and invention, and to any United States and foreign patents to Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, to sell, assign, and transfer to IBM, its successors and assigned, the entire right, title and interest and invention therein disclosed for the United States and foreign countries, and all rights of the filing of said United States application, and we request the Commissioner of Patents to it granted upon the inventions set forth in said application to IBM, its successors and assigns; IBM may apply for foreign Letters Patent on said invention and we will execute all papers to with the United States and foreign applications when called upon to do so by IBM. Signed and scaled | the entire right, tide and be obtained therefor; he above named, hereby est in the said application priority resulting from issue any Letters Patent and we hereby agree that |
| Signed and scaled | Signature |
| (I) at | Inventor |
| on, 2001, Kaymond M. L. Roy Worker | Signature |
| on, 2001, Raymond M. Li (2) at Roch ester, MN Walliam Roy Yonker on, 2001, William Roy Yonker | Inventor |

U.S. EXPRESS MAIL LABEL NO.: EL 835 825 699 US

DOCKET: SJ09-2001-0095

ASSIGNMENT

Whereas, we

(1) Raymond M. Li of 1565 Madison St. Apt. 314, Oakland; County of Alameda and State of California, and (2) William Roy Yonker of 11235 11th Avenue N.E., Rochester, County of Olmsted and State of Minnesota,

and executed, respectively, a United States patent application therefor on

have invented certain improvements in

STORAGE AREA NETWORK METHODS AND APPARATUS WITH COORDINATED UPDATING OF TOPOLOGY REPRESENTATION

| (1) <u>Dec. 13</u> , 2001, (2), 2001 |
|---|
| Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desired to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor; |
| the shove samed hereby |

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigned, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

| Signed and scaled | | |
|--------------------|--|-----------|
| (1) at Dakland, CA | 1. 1000 · | Signature |
| • = | Raymond M. Li | Inventor |
| VII | tay the second s | Signature |
| (2) 81 | William Pau Vankar | Inventor |
| on, 2001, | William Roy Yonker | |

IN THE C. TED STATES PATENT AND TRADES, RK OFFICE

Application of

Li et al.

Serial No.

09/972,542

Filing Date:

October 5, 2001

for

STORAGE AREA NETWORK METHODS AND APPARATUS WITH COORDINATED

UPDATING OF TOPOLOGY

REPRESENTATION

Attorney Docket: SJ09-2001-0095

Examiner:

Art Unit:

CERTIFICATE OF MAILING

The undersigned certifies that this correspondence is being deposited with the U.S. Postal Service with sufficient apstage as first class mail addressed to the United States, Patery and Trademark Office, Office of Public Records, Grestal Cateway P. Room 325, Workington, 17C 20231.

David J. Powsner, Reg. No. 31,868

UNITED STATES PATENT AND TRADEMARK OFFICE OFFICE OF PUBLIC RECORDS **CRYSTAL GATEWAY 4**

ROOM 335

WASHINGTON, DC 20231

TRANSMITTAL LETTER

Sir:

Please find enclosed:

Two (2)

One (1) crm 3/8/02

Assignment and Recordation Sheet; **(1)**

Check in the amount of \$40.00 to cover recordation fees; and **(2)**

Return postcard. (3)

Please charge any additional fees that may be required to Deposit Account No. 141449.

Date: 3/8/02

David J. Powsner, Reg. No. 31,868

Respectfully submitted

ATTORNEYS OF APPLICANTS Nutter, McClennen & Fish LLP

One International Place Boston, MA 02110-2699

Telephone: 617-439-2717 Telefax: 617-310-9717